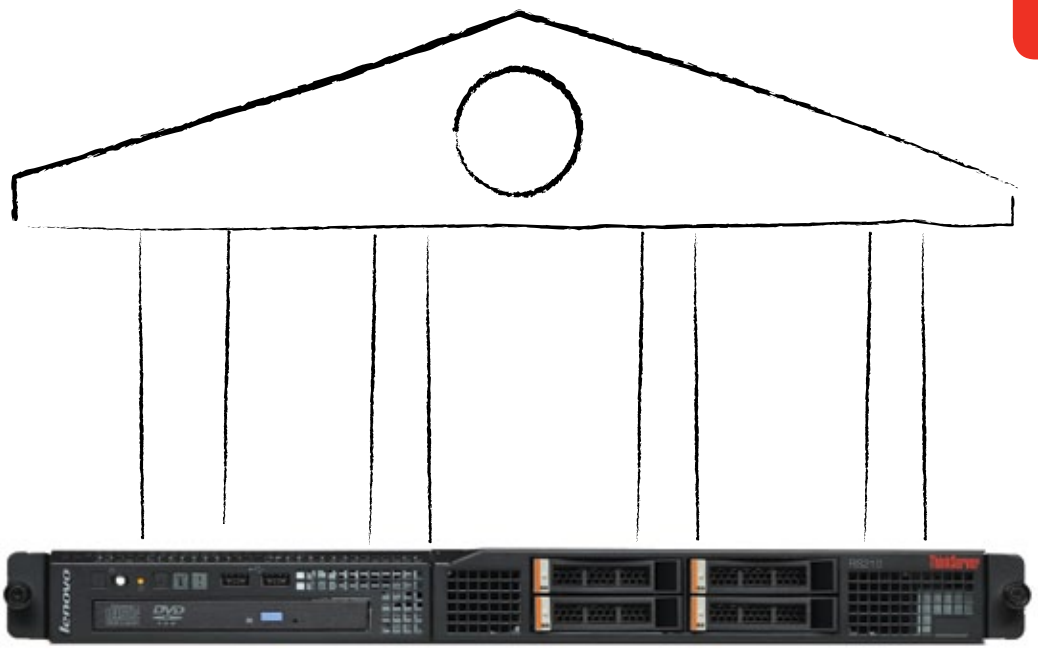
THINKSERVER
RS210 SYSTEM



BUILD YOUR BUSINESS ON IT.

THE LENOVO® THINKSERVER® RS210 COMES WITH MORE THINKING TO DELIVER ENTERPRISE-CLASS FEATURES IN A COMPACT DESIGN FOR SMALL BUSINESSES.

The Lenovo ThinkServer RS210 is an affordable single processor rack server that is ideally suited for a small business or a corporate branch office. This exceptionally engineered server provides rock-solid hardware, easy-to-use software and exceptional services that are perfect for the growing business with a limited IT staff. Best of all, the RS210 has more thinking built in to offer enterprise-class features and greener attributes that positively impact total cost of ownership.

The new RS210 is built on the latest Intel® Xeon® technology, featuring the X3400 series processor. Along with expandable memory and data storage, it offers RAID options that greatly enhance its performance and data integrity. Enhanced server management features like Integrated Management Module (IMM), Predictive Failure Analysis (PFA) and Easy LED Diagnostics ensure easy repair and maintenance, while preventing server outages. The RS210 is backed by a 90 day trial of ThinkPlus Priority Support in addition to a 1 or 3 year standard warranty.

The latest ThinkServer platform is now greener with >92% efficient power supplies. The Virtualization Ready RS210 offers energy-efficient power supplies and low-power processor and memory options. These attributes ensure reduced energy costs through reduced power consumption and efficient zoned cooling. Lenovo is a participant in the Climate Savers Program and all ThinkServers are RoHS compliant.

TOP REASONS TO OWN

THE LENOVO THINKSERVER RS210

- ENTERPRISE-CLASS DEPENDABILITY
- EASY-TO-SETUP, MANAGE AND MAINTAIN
- ENHANCED REMOTE MANAGEMENT
- OUTSTANDING PERFORMANCE

ENTERPRISE-CLASS OFFERINGS

- Intel® Xeon® X3400 and Core™ i3 processors
- Advanced ECC DDR3 memory — expandable up to 16GB uDIMM and 32GB rDIMM
- 2.5" SAS and 3.5" SAS / SATA hard drive options
- Integrated Dual Gigabit Ethernet
- Dedicated Gigabit Ethernet System Management
- PCI slots — 1 PCI-E x8, 1PCI-E x8 Lo Profile and 1 PCI-X via Riser
- RAID 0 / 1, 10 and 5, 6, 50, 60 via optional PCI-E cards

ECO-FRIENDLY GREEN SERVER

The green RS210 platform offers:

- >92% efficient power supplies Schedule Power ON / OFF
- Reduced energy consumption and efficient cooling capability
- Low-wattage processor and memory options

ENHANCED USER EXPERIENCE

- **EasyStartup:**
  Provides easy setup with built-in RAID configuration, automated OS installation and cloning
- **EasyManage:**
  Provides a world-class multi-server management application with streamlined installation, improved wizards, enhanced usability and a Microsoft® Windows Server® 2008 console support
- **Built-in IMM:**
  Always On Management provides anytime, anywhere access to your servers through a web-based interface
- **IMM Premium:**
  Provides enhanced remote presence from anywhere through remote KVM and virtual media
- **Embedded Hypervisor:**
  Provides easy Virtualization support with VMWare® Hypervisor support

lenovo®

THERE'S MORE THINKING IN A ThinkServer®

ENHANCED MANAGEABILITY

Enhanced manageability ensures that your servers run smoothly with the following features:

- Integrated Management Module — allows advanced remote management, maintenance and repair from anywhere
- Predictive Failure Analysis — alerts you before a problem occurs
- Easy LED diagnostics on the motherboard — allows quick diagnosis
- Hot-swap components and tool-less disassembly — allows quick repair

THINKPLUS PRIORITY SUPPORT – 90-DAY TRIAL

- The RS210 is offered with a 90-day trial of ThinkPlus Priority Support in addition to a 1 - or 3 - year standard warranty.
- The Business Partner leverages the capabilities of Lenovo® for the best possible service experience the most crucial time of ownership.

SAVE TIME AND CUT COSTS

- Thoughtfully designed RS210 servers with ThinkVantage® Technologies are easy-to-install, easy-to-manage and easy-to-maintain
- Virtualization Ready RS210 allows customers to reduce their overall server footprint by consolidating existing servers

THINKPLUS® SERVICE OFFERINGS

VALUE-ADDED SERVICES

- ThinkPlus Productivity Package with Hardware Installation and Training
- Lenovo Online Backup for server (25, 50 and 100 GB)
- Server Installation Service
- Online Training — managing and servicing ThinkServer
- Lenovo Professional Services — migration, security, continuity, virtualization and system management

BASE WARRANTY

- 1 year on-site
- 3 year on-site

UPGRADE SERVICE LEVEL

- 4 hour on-site service response
  - » 3 / 5 year on-site 9 x 5 – 4 hour
- ThinkPlus Priority Support
  - » 3 year ThinkPlus Productivity (Priority + Online Training + Installation)
  - » 3 / 5 year ThinkPlus Priority
  - » 3 / 5 year ThinkPlus Priority 4 (24 x 7 - 4 hour response)
  - » 3 / 5 year ThinkPlus Priority with Hard Disk Drive Retention
  - » 3 / 5 year ThinkPlus Priority 4 (24 x 7 - 4 hour response) with Hard Disk Drive Retention

WARRANTY EXTENSIONS

- 3 / 5 year on-site 9 x 5 NBD (if purchased during warranty)

*** Availability of services offerings may vary by country.*

THE LENOVO® THINKSERVER® RS210 SPECIFICATIONS

DESCRIPTION	RS210
Processor	Intel® dual and quad core processors Intel® X3400 (quad core) Core™ i3 (dual core)
Operating Systems	Microsoft® Windows Server® 2008 Standard R2 edition (32 / 64-bit) Microsoft® Windows Server® 2008 Enterprise R2 edition (32 / 64-bit) Microsoft® Windows Server® 2008 SBS Standard (64-bit) Microsoft® Windows® Foundations R2 Novell® SUSE® Linux Enterprise Server (SLES) 11 with Xen® hypervisor Red Hat® Enterprise Linux® 5.3 VMware® ESX Server 4.0 & 4.0i
Chipset	Intel® Ibex Peak
Memory	1 GB, 2 GB, 4 GB DDR3 Registered DIMMs — 6 slots 1 GB, 2 GB DDR3 Unregistered DIMMs — 4 slots I / O Slots 1x8 PCI-E Gen2 full-height, half-length 1x8 PCI-E Gen 2 Lo Profile 1 PCI-X via Riser (NOT selected)
Ethernet	Integrated Dual Gigabit Ethernet (2 port) Dedicated Gigabit Ethernet System Management Port
Storage Bays	2 x 3.5” HS SAS / SATA or 2 x 3.5” SS SATA or 4 x 2.5” HS SAS 1 x 5.25” bay for optical
Raid	RAID 0, 1 RAID 0, 1, 5 RAID 0, 1, 10, 5, 50 RAID 6, 60
I Drives	DVD-ROM DVD-RW
I / O Ports	7 USB (4 front, 2 back, 1 internal) Internal USB available for internal VMware® hypervisor 1 x Serial (rear) 1 x VGA (rear)
Management	IMM with IPMI 2.0 (dedicated LAN port) HW key for Remote Presence TPM 1.2
Power	401 W fixed
Green Server	>92% efficient power supplies RoHS (lead free)
Electrical Power	Low range: 100 V ac min / 127 V ac max High range: 200 V ac min / 240 V ac max Input frequency range: 50/60 Hz Auto-sensing voltage switch
Temperature	System on: 10 - 35 C System off: 10 - 43 C
Noise level	Idle: 6.5 bels Operating: 6.5 bels
Relative humidity	System on: 10% to 80% System off: 10% to 90%

THE LENOVO® THINKSERVER® RS210 OPTIONS

Memory	DDR3 Registered DIMM – high performance and advanced ECC	
• Faster performance • Low-power consumption • Advanced ECC • Memory mirroring	67Y0014	ThinkServer 1GB PC3 - 10600 DDR3 1333 MHz RDIMM
	67Y0124	ThinkServer 2GB PC3 - 10600 1Gbit DDR3 1333 MHz RDIMM
	67Y0125	ThinkServer 4GB PC3 - 8500 1Gbit DDR3 1066 MHz RDIMM
	DDR3 Unregistered DIMM – low latency and low cost	
	67Y0122	ThinkServer 1GB PC3 - 10600 DDR3 1333 MHz UDIMM
	67Y0123	ThinkServer 2GB PC3 - 10600 DDR3 1333 MHz UDIMM
Internal Storage	**2.5 inch SFF SAS – high performance (10K / 15K RPM)**	
• Slim Form Factor 2.5” • 6.0 GB/s SAS interface • Low-power consumption • Performance (10K / 15K) • Hot-swap 3.5” Tray • Simple-swap 3.5” Tray	67Y0115	ThinkServer 73GB 6.0GB/s 15K SAS SFF HS
	67Y0116	ThinkServer 146GB 6.0GB/s 10K SAS SFF HS
	67Y0117	ThinkServer 146GB 6.0GB/s 15K SAS SFF HS
	67Y0118	ThinkServer 300GB 6.0GB/s 10K SAS SFF HS
	3.5 inch Hot-swap SAS – high performance and high capacity (15K RPM)	
	45J6211	ThinkServer 146GB 15K 3.5" Hot-swap SAS Drive
	45J6212	ThinkServer 300GB 15K 3.5" Hot-swap SAS Drive
	67Y0119	ThinkServer 450GB 15K 3.5" Hot-swap SAS Drive
	3.5 inch Simple-swap / Hot-swap SATA II– reliable and high-capacity storage	
	45J6196	ThinkServer 250GB 3.5” Simple-swap SATA II Drive
	45J6197	ThinkServer 500GB 3.5” Simple-swap SATA II Drive
	67Y1380	ThinkServer 1TB 3.5” Simple-swap SATA II Drive
	45J6201	ThinkServer 250GB 3.5” Hot-swap SATA II Drive
	45J6202	ThinkServer 500GB 3.5” Hot-swap SATA II Drive
	45J6204	ThinkServer 1TB 3.5” Hot-swap SATA II

* IBM Part Number

ThinkServer IBM Options	Connectivity	
• New ThinkServer Options available from Lenovo • Lenovo Part Numbers	67Y0172	ThinkServer IBM 8GB FC Single-port HBA by QLogic
	67Y0173	ThinkServer IBM 8GB FC Dual-port HBA by QLogic
	67Y0174	ThinkServer IBM 8GB FC Single-port HBA by Emulex
	67Y0175	ThinkServer IBM 8GB FC Dual-port HBA by Emulex
	67Y0176	ThinkServer IBM 8GB FC Single-port HBA by Brocade
	67Y0177	ThinkServer IBM 8GB FC Dual-port HBA by Brocade
	67Y0178	ThinkServer IBM NetXtreme II 1000 Dual Port Ethernet Adapter
	RAID Controllers	
	67Y0183	ThinkServer IBM SAS Controller v2
	67Y0184	ThinkServer IBM ServeRAID M5015
	67Y0185	ThinkServer IBM ServeRAID M5014
	67Y0186	ThinkServer IBM ServeRAID M5000 Series Battery Kit
	System Components	
	67Y0182	ThinkServer IBM Virtual Media Key – Entry Servers
	67Y1372	ThinkServer IBM UltraSlim Enhanced SATA DVD-ROM
	67Y1373	ThinkServer IBM UltraSlim Enhanced SATA Multi-Burner
ThinkServer Ready Options	**Tape / Backup (External Attach)**	
• 3rd Party Options available through existing IBM distribution	362516X*	IBM RDX160 External Bundle
	362532X*	IBM RDX320 External Bundle
	362550X*	IBM RDX500 External Bundle
	Switches and Console Managers	
	31R3132*	IBM 3M Console Switch Cables
	17353LX*	IBM 1x8 Console Switch
	Uninterruptable Power Supplies	
	21301RX*	IBM UPS 3000 LV - US
	21302RX*	IBM UPS 3000 HV - International

www.lenovo.com/thinkserver/europe

©2010 Lenovo. All rights reserved.

Availability: Offers, prices, specifications and availability may change without notice. Lenovo is not responsible for photographic or typographic errors. References herein to Lenovo products and services do not imply that Lenovo intends to make them available in all countries. **Warranty:** For a copy of applicable warranties, write to: Warranty Support Dept., EMEA Services, Lenovo, Einsteinova 21, 851 01 Bratislava, Slovakia. **Trademarks:** Lenovo, the Lenovo logo, Rescue and Recovery, ThinkServer, ThinkVantage, ThinkPlus are trademarks or registered trademarks of Lenovo. Intel, the Intel logo, Intel Core, Core Inside, Pentium and Celeron are registered trademarks of Intel Corporation in the U.S. and other countries. Windows is the trademark of Microsoft Corporation, USA. Other company, product and service names may be trademarks or service marks of others.
Visit **www.lenovo.com/safecomputing** periodically for the latest information on safe and effective computing.

lenovo®

THERE'S MORE THINKING IN A ThinkServer®